

# VIDIPROOF Manual

## IMPORTANT

- Don't open the battery door under water.
- Close the battery door properly for best water sealing.
- Rinse by clean water after use and keep it dry for storage.

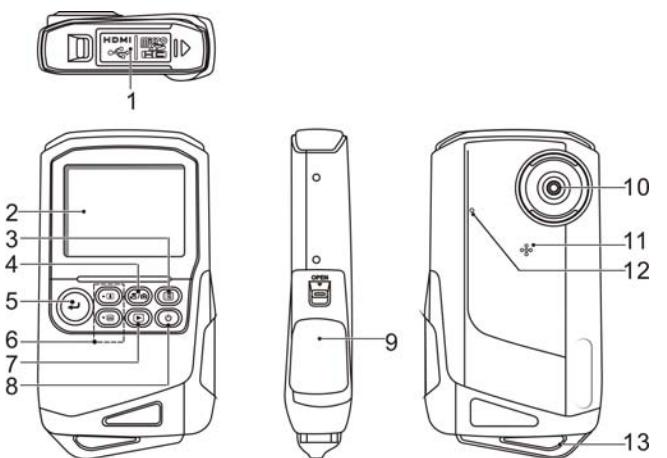
After used this camcorder under water, the voice recording quality will be affected as there still has water inside the mic and speaker compartment.

The sound will be resumed to normal once water dry out.

## 1. Key features of your camcorder

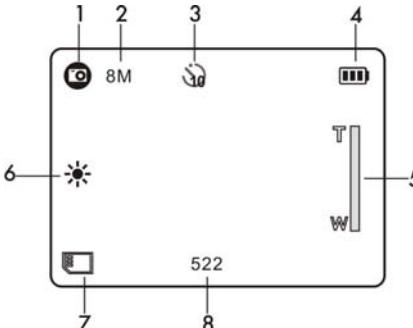
Full HD digital video camcorder – 1920x1080 up to 30fps  
HDTV HDMI high definition interface output  
2.0" fine grade LTPS color LCD display  
Slot for Micro SD Memory card, support up to 16GB SD card capacity  
Driver free for Windows 7 / Vista / XP and MAC 10.4.9 or above

## 2. Functional parts



| Item | Part                | Function  |
|------|---------------------|---|
| 1    | USB interface       | For transferring images and video files to computer via USB cable.  |
| 1    | Card slot           | Inserting micro SD card for digital files storage.  |
|      | HDMI socket         | Use supplied HDMI cable for HDTV connection.  |
| 2    | LCD screen          | LCD shows images, video clips, camera Settings and Menu.  |
| 3    | Menu Button         | Press to Set PICTURE / VIDEO recording options.   |
| 4    | Mode Button         | Press this button to select mode: PICTURE taking or VIDEO recording.  |
| 5    | OK button           | Press this button to take still PICTURE; to Start or Stop recording VIDEO clip. To confirm changes (OK) in menu mode.                   |
| 6    | Zoom button         | Zoom IN or OUT during recording mode.   |
| 6    | Volume setup button | Setting the volume in video playback mode.  |
| 6    | Up / Down button    | In MENU mode, push the key up/down for UP / DOWN selection  |
| 7    | Playback button     | In photo mode ,press this button to enter the Playback PICTURE mode, In video mode ,press this button to enter the Playback VIDEO mode. |
| 8    | Power Button        | 1. Pressing and hold the power button to turn on& off the unit.<br>2. Pressing this button to select icons display.                     |
| 9    | Battery door        | 2x AA alkaline batteries provided.  |
| 10   | Lens                | Optical lens for Video & Picture taking.  |
| 11   | Speaker             | Speaker for video playback  |
| 12   | Microphone          | For voice input.  |
| 13   | Strap Hook          | For fixing hand strap.  |

## 3. Explanation of the status icons



| Item | Function            | Description  |
|------|---------------------|--|
| 1    | Recording mode      | Photograph mode.<br>Video mode.  |
| 2    | Selected resolution | Photo-3M, 5M, 8M<br>Video-Full HD ,1080P30, 720P30, WVGAP60<br>WVGAP30, VGA, QVGA                                      |
| 3    | Self timer          | On / Off   |
| 4    | Battery indicator   | Battery is full<br>Empty battery   |
| 5    | Zoom indicator      | Shows zoom range   |
| 6    | White balance       | White balance selection.   |
| 7    | SD card indication  | The SD card is inserted and will be used as storage for PHOTO and VIDEO  |
| 8    | Counter indicator   | Shows available time for recording VIDEO<br>Shows active recording VIDEO time<br>Shows picture available in PHOTO mode |

## 4. Details for camera setting

| PHOTO setting  |   |  |
|--|---|--|
| In photo mode, pressing the MENU button and select PHOTO, then pressing the OK button to enter photo setup mode.   |   |  |
| Quality  | Super Fine/ Fine(Default) /Normal                                 | PHOTO quality setting  |
| Size   | 3M pixel resolution<br>5M pixel resolution<br>8M pixel resolution | 2048 x 1536 pixels<br>2592 x 1944 pixels<br>3200 x 2400 pixels   |
| Self-timer   | On<br>Off   | Self-timer selected, 10 sec delay<br>Turn off the self-timer, disable  |
| VIDEO setting  |   |  |
| In video mode, pressing the MENU button and select VIDEO, then pressing the OK button to enter video setup mode.   |   |  |
| Quality  | Super Fine(Default)/ Fine / Normal                                | VIDEO quality setting  |
| Resolution   | Full HD<br>1080P30<br>720P30<br>WVGAP60<br>WVGAP30<br>VGA<br>QVGA | 1920x1080 up to 30fps<br>1440x1080, up to 30fps<br>1280x720, up to 30fps<br>848x480, up to 60fps<br>848x480, up to 30fps<br>640x480, up to 30fps<br>320x240, up to 30fps |
| Setup  |   |  |
| In photo/video mode, pressing the MENU button and select SETUP by pressing the down button, then pressing the OK button to enter camera basic setup options. |   |  |
| TV type  | NTSC<br>PAL   | American and Japanese TV format<br>European TV format  |
| Auto power off   | Off<br>1 min<br>3 min<br>5 min                                    | Auto Power-Off off<br>Auto power off in 1 min if no operation<br>Auto power off in 3 min if no operation<br>Auto power off in 5 min if no operation                      |

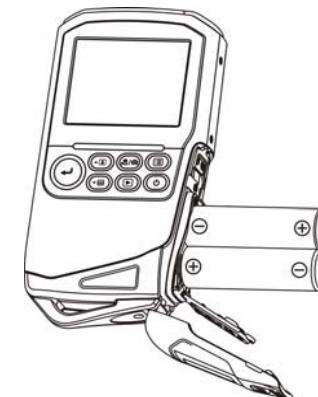
|  |  |  |
|--|--|--|
| Time setup   | Year / Month / Day / Hour / Minute   | Setting the time on the image or video clips.                                    |
| Quick view   | 3s / 1s / 0.5s / Off   | Select picture review time after photo taking.                                   |
| Volume   | 00 ~ 64  | Setting the volume   |
| Default Setting  | Yes / No   | Refresh the default settings   |
| Format   | Yes / No   | Format the SD card   |
| Language   | English / Deutsch / French / Italian / Spanish / Nederlands / Portuguese / CHS / CHT / Russian | Select display language  |
| Beep Sound   | Off / High / Low   | Setting the beep sound volume.   |
| S.image  | On / Off   | Setting the opening screen on or off.  |
| S.sound  | On / Off   | Setting the opening sound on or off.   |
| File number  | Reset / Sequential   |  |
| Slide Show   | 10s / 5s / 3s / Off  | Setting the image slide time.  |
| Pause  | 50Hz /<br>60Hz   | Set for European electricity frequency<br>Set for American electricity frequency |
| FW Version   |  | See the firmware version   |
| <b>Effect</b>  |  |  |
| In photo/video mode, pressing the MENU button and select EFFECT by pressing the down button, then pressing OK to enter effect options. |  |  |
| Scene  | Auto/Landscape/Portrait/ Sport/Night landscape   | Choose an existing Picture control   |
| ISO  | Auto / 200 / 400   | Sensitivity select   |
| Metering   | Center / Average / Spot  | Metering setting   |
| White Balance  | Auto   | Automatic white balance  |
|  | Sunny  | White balance selected for Sunny sky   |
|  | Cloudy   | White balance selected for cloudy sky  |
|  | Fluorescent  | White balance selected for fluorescent indoor light                              |
| Incandescent   | Incandescent   | White balance selected for tungsten indoor lighting                              |
|  | Effects  | Effects setting.   |
| Sharpness  | Standard / Hard / Soft   | Sharpness setting  |
| EV Setting   | 0, +/-0.3 , +/-0.7, +/-1.0, +/-1.3, +/-1.7, +/-2.0   | Level of exposure  |

Note: The camera will remain in the last setting when it is turned OFF and ON again

## 5. Using the camera

### 5.1 Battery installation

1. Release and open the battery door.
2. Install supplied 2x AA alkaline batteries into the battery compartment. Align battery terminals with metal connectors inside compartment.
3. Close the battery door.

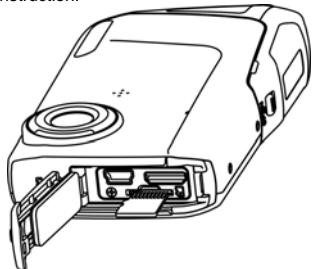


### 5.2 Inserting a memory card ( not included )

You must insert Micro SD Card (not supplied) to record and store your VIDEO and PICTURES. Follow the instruction for inserting a Micro SD Memory card:

1. Turn OFF the camera.
2. Insert the Micro SD card into the Micro SD card slot, gently press it down until card is latched.

**Note:** Do not force the card into the slot; forcing may damage camera and the Micro SD memory card. Align Micro SD card position (as marked) and try again.  
**Note:** The Micro SD memory card must be formatted before taking photographs. See the following instruction.



### 5.3 Formatting the SD memory card

If your SD card is new, or it was used with other cameras or devices, you need to FORMAT the card, see simple steps below. If card was previously used, save all needed images & video first.

1. In photo/video mode, press the MENU button and select SETUP, then press OK to enter camera basic setup options.
2. Select FORMAT by pressing the UP (▲) button and press the OK button. Select YES by pressing the UP (▲) button.
3. Press the OK button to confirm formatting the Micro SD card.

**Note:** During formatting of the Micro SD card, all data, pictures & video (if present) will be erased; make sure you save your valuable records before formatting the memory.

Remember, all your records will be erased during formatting!

### 5.4 Setting the resolution

#### VIDEO recording mode

1. Press the MENU button in video mode, Select VIDEO and press the OK button to enter options selection.
2. Select RESOLUTION by pressing the UP (▲) button, then press the OK button to enter resolution selection.
3. Select desired resolution by pressing the UP (▲) / DOWN (▼) buttons; Full HD (1920x1080), 1080P30(1440x1080), 720P30 (1280 x 720), WVGA60 (848 x 480) WVGA30 (848 x 480), VGA (640 x 480), QVGA(320 x 240) then press the OK button to confirm setting.

#### PICTURE taking mode

1. Press the MENU button in photo mode, Select PHOTO and press the OK button to enter option selection.
2. Select the SIZE by pressing the UP (▲) button, press the OK button to enter resolution selection.
3. Select desired resolution by pressing the UP (▲) / DOWN (▼) buttons; 3M (2048 x 1536), 5M (2592 x 1944), 8M (3200 x 2400) then press the OK button to confirm setting.

### 5.5 Taking video or pictures

1. Turn on your camera.
  2. Press the MODE button to select PICTURES (●) or VIDEO recording mode (●)
  3. Use the LCD screen as a viewfinder composing the scene.
  4. Press the OK button for taking a PICTURE, or press this button to start / stop VIDEO recording.
- Note:** 1. Keep camera and the object steady when making records to avoid blurry images.  
 2. Max video file size is 4GB. The unit will stop recording automatically.

### 5.6 Zoom IN and OUT

Your camera can zoom in up to 4 X.

Pressing the UP (▲) / DOWN (▼) buttons for selecting desired scene / view. Note the zoom bar in screen showing the zooming range.

| Resolution    | Digital zoom         |
|---------------|----------------------|
| QVGA 30fps    | 4X                   |
| VGA 30fps     | 4X                   |
| WVGA 30fps    | 4X                   |
| WVGA 60fps    | 4X                   |
| 720P 30fps    | 4X                   |
| 1080P 30fps   | 2X                   |
| Full HD 30fps | Without Digital Zoom |

### 5.7 Playback PICTURES and VIDEO clips

1. In PHOTO / VIDEO mode, Press the PLAYBACK button (◀) to enter PICTURES / VIDEO Playback mode.
2. Pressing the UP (▲) / DOWN (▼) button to select desired PICTURE / VIDEO.

3. Pressing the OK button to confirm selected VIDEO or see full size PICTURE.
4. When viewing video clips, Press the OK button to start playing the video and press again to pause.
5. When playing the video, press the UP (▲) / DOWN (▼) buttons for fast forward or rewind the VIDEO.

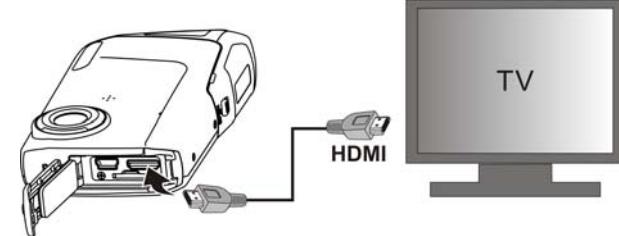
### 5.8 Delete photographs and video clips

1. In PHOTO / VIDEO mode, Press the PLAYBACK button (◀) to enter PICTURES / VIDEO Playback mode.
2. Select the photo or video to delete.
3. Pressing the UP (▲) / DOWN (▼) buttons for select delete current image(YES) or delete all images and press the OK button to confirm.
4. Pressing the MODE button to exit.

## 6. Connecting the HD DV camcorder

### 6.1 Connect to TV

When you wish to view on High Definition (HD) TV, please use supplied HDMI cable and connect as shown below:



Set your HDTV to corresponding HDMI INPUT (review TV Manual if needed) and use camera buttons in the same way as you use camera during PLAYBACK mode. Enjoy watching pictures and HD VIDEO on large HDTV screen!

### 6.2 Connect to Personal computer

You may also connect your HD camcorder to PC for viewing PICTURES and VIDEOS on the computer monitor as well as expanding your system to enjoy a wide range of functions. You may edit your videos or images and send them to friends over the Internet or even post your own VIDEOS on YouTube! Millions of people may view them!

#### Upload to YouTube

Please install MEDIAIMPRESSION. This software enables upload to YouTube. This will take you directly to YouTube website for easy upload of videos.

#### Installing DirectX and ArcSoft MediaImpression

1. Please insert provided CD into computer's CD ROM and follow screen prompts to install DirectX and MediaImpression in your computer
2. Use USB cable to connect HD camcorder to computer
3. Open My Computer-> Removable Disk and select image or video file
4. Click to open and watch High definition video played back.

You may also install QuickTime (not bundled on supplied CD) or other suitable programs for best video playback.  
 HD Video data is very complex; use Win XP, Vista, MAC 10.4.9 and newest computers – older and slower computers may not play your HD Video clips so well.

## 7. Specification

|               |  |
|---------------|--|
| Image Sensor  | 5.0 Mega pixel CMOS sensor                         |
| Resolution    | Full HD (1920x1080) up to 30fps                    |
|               | 1080P30 (1440x1080), up to 30fps                   |
|               | 720P30 (1280x720), up to 30fps                     |
|               | WVGA60 (848x480), up to 60fps                      |
|               | WVGA30 (848x480), up to 30fps                      |
|               | VGA (640x480), up to 30fps                         |
| PICTURES      | QVGA (320x240), up to 30fps                        |
|               | 8.0 Mega pixel (3200x2400)                         |
|               | 5.0 Mega pixel (2592x1944)                         |
| Lens          | 3.0 Mega pixel (2048x1536)                         |
|               | F/2.8 f=8.5mm                                      |
| LCD display   | 2.0" fine grade LTPS color LCD display             |
| White balance | Auto / Sunny / Cloudy / Fluorescent / Incandescent |
| VIDEO format  | MOV  |



For EU only

|                      |   |
|----------------------|---|
| External memory card | Support up to 16GB SD memory card ( card is required to store video & pictures, class 4 or above SD card is recommended ) |
| File format          | VIDEO: MOV ; PICTURE: JPEG  |
| Self timer           | 10 second options   |
| PC interface         | USB 2.0 port  |
| Power source         | 2x AA alkaline batteries  |
| TV-out               | High Definition VIDEO: HDMI<br>Standard TV (NTSC or PAL) output: HDMI   |

## 8. PC system min requirement

|                  |   |
|------------------|---|
| Operating System | Windows 7 / Vista / XP<br>Mac 10.4.9 or above                                       |
| CPU              | Pentium III / 1GHz (minimum)<br>Pentium 4 / 3.0GHz or above processor (recommended) |
| RAM              | At least 256MB (minimum) 1GB (recommended)  |
| Interface        | USB available port  |
| Display Card     | nVidia Geforce 7600 or ATI X 1600 or above  |

## 9. Troubleshooting

| Problem   | Cause   | Solution  |
|---|---|---|
| Cannot turn ON the camcorder  | 1. Low battery power.<br>2. Battery not inserted properly.  | 1. Replace with new 2x AA alkaline batteries<br>2. Check that battery correctly aligned when installed  |
| VIDEO or PICTURES cannot be saved when you are taking them.                                 | 1. Micro SD card has not been installed<br>2. The Micro SD card has not been formatted properly.<br>3. Memory is full. Display shows 'MEMORY FULL'. | 1. Install Micro SD card<br>2. Format the Micro SD card at SETUP mode of the camera. Please refer to section 5.3.<br>3. Download the pictures and videos from the camera to the computer to create storage space. |
| Computer does not recognize your camcorder when connected. (You cannot find removable disk) | Connection failure.   | Make sure all cable connections are secured. Restart the computer if necessary.   |
| The battery life is very short.   | Incorrect or old, used up, battery  | Replace with new 2x AA alkaline batteries   |
| Blurry images   | 1. The HD camera is not held steady during recording<br>2. The lens of HD DV camera is dirty.   | 1. Hold the HD DV camera steady when taking pictures, wait to hear the beep sound<br>2. Clean the lens with soft dry cloth.   |